As the World Turns

Directions:
You are a scientist that has just discovered a visitor from another planet. The visitor is very curious about the way our Earth works.

This assessment should be administered during the Third Nine Weeks

VA Science SOL: 3.8 and 3.9 Earth/Space Systems and Cycles
3.1 Scientific Investigation

Circle the appropriate vocabulary for your selected cycle.

- Rotation
- Revolution
- Day
- Night
- Axis
- Gravitational pull
- Low Tide
- High Tide
- Tilt
- First quarter
- Full moon
- Last (third) quarter
- New moon
- Evaporation
- Condensation
- Precipitation
- Summer
- Fall
- Winter
- Spring
As the World Turns

Directions:
You are a scientist that has just discovered a visitor from another planet. The visitor is very curious about the way our Earth works. Plan how you will show these natural cycles to this visitor who has never seen them before.

You need to –
Circle one of the following natural cycles to explain

- Water cycle
- Moon phases
- Seasons
- Day and night
- Tides

Circle the appropriate vocabulary for your selected cycle.

- Rotation
- Revolution
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- Night
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The alien does not understand your language. Create a poster that illustrates the cycle you have chosen. Make sure to label your poster using the vocabulary words you circled.
You just discovered a machine that will translate your words for the alien. Explain the cycle using the vocabulary you selected.
<table>
<thead>
<tr>
<th>Criteria</th>
<th>Advanced – 4</th>
<th>Proficient – 3</th>
<th>Basic – 2</th>
<th>Below Basic – 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poster</td>
<td>Illustration clearly depicts all aspects of the selected cycle. Drawing is clear and neatly labeled with selected vocabulary words.</td>
<td>Illustration depicts all aspects of the selected cycle. Drawing is labeled with selected vocabulary words.</td>
<td>Illustration depicts some aspects of the selected cycle. Drawing is labeled with most of the selected vocabulary words.</td>
<td>Illustration depicts 1-2 aspects of the selected cycle. Drawing is labeled with some of the selected vocabulary words.</td>
</tr>
<tr>
<td>Translation</td>
<td>Written description covers the entire cycle in a logical order that matches the illustration. The description adds deeper meaning to the illustration. Each selected vocabulary word is included.</td>
<td>Written description covers the cycle and matches the illustration. Each selected vocabulary word is included.</td>
<td>Written description covers some aspects of the cycle. Most selected vocabulary words are included.</td>
<td>Written description covers 1-2 aspects of the cycle. Some selected vocabulary words are included.</td>
</tr>
</tbody>
</table>